CIIAITMI'i XI

JUDGMKNT OF TIIK WOUKINU OK THK t'linhl'»T,K ru«»M TllM ANALYSIS OF THK <»AS

IN producer management, as in all nther technical chemical management, control analyses of the product % are carried nut, and one might be of the opinion that il i> perchance easy, by comparison of the same with the above-ascertained composition of ft faultless producer gas, lo find nut pos.sihle faults in ^ases, produced in practice, whereby mic would recognise the causes themselves, and bo placed in the posit inn t*» pmvidr fur ihrir removal. In reality, however, tht* thin^ is tint M» siinpl**, as follows from 'Fablo (1 ip. Hl)» in which an» drawn up ninrtreu analyses of producer ga-ses, tukt»n frntn rret-ut lilt-ratuiv uud the author's own notes. Tho t-uble sliuws a varied ax^nrlturnk, which also will not revival much to a well•j»ra«*ti'^*d e\f. \lsu the ascertained combustible value per r<*m, by vnluiw* of thr composition only indicates that flu* 1411,.^ is ivbitivi«ly «*tnnd or bad, but gives no mon» detailed infnrniuti«*n us in fin- nitiM*.

For the performance of clowr itivt^ti^atinuN, ii slmuld be remembered iirst to ascertain the quantity of «.;as \\hirh contains a total of 1 kilogramme (\ and with tlii?* to npenile further. Onotlien, by copiously perfortuml culruliitifHis, nbtains directly comparable llguren,. and avoittn t*rn»rs through nuHtukeH in figures which otherwise nnulily ifri'»*;» in.

From the ^as volume ascertained for 1 Kiio^nutuut* (*, oue obtains already a halting point in th** e\autinationt if th*' gas is properly manufactured, since tin* tjuantily of giw will approximate to 5 cubic metrtm per 1 kilo^nwnw ('. Hut «»ui-can (by references to tile stateiut^nlH on ^iw^iu thii HIT!inn on "Distillation (Jan," which are made from wim»riU roiili htill further approximately estimate the uinottut of hulrn^nt uhich originates from thculiHtillation ^wen ; fnuu flti- nm- is Hmiilrd to determine the limit value for tlir ninniiittH «if farhmi which,